



REPLACEMENT SHEET

Underlined = deleted in targeting construct

Bold = sequence flanking Neo insert in targeting construct

ACTGTCTGGA**ACTGG****ACTGAGT****CACCAAAAGGCGAATGGCTTCATCTTATAAAATGTCTG**
AACAAAGCACAACTTCTGAGCACATTTTACAGAAGACATGTGATCACCTGATCCTGACTA
ACCGTTCTGGATTAGAGACAGACTCAGTAGCAGAGGAAATGAAGCAGACTGTGGAGGGAC
AGGGGCATACAGTGCCTGGGCAGCTCTCCTGATACTCGCGGTGATAATACCCACCATTG
GTGGGAACATCCTTGTGATTCTGGCTGTTGCCTGGAGAAAAGGCTGCAGTACGCTACCA
ACTACTTTTTTAATGTCCTT **GGCGATAGCAGATTTGCTGGTTGGATTGTTTGTGATGCCGA**
TTGCCCTCTTGACAATCATGTTTGAGGCTATATGGCCCCCTCCCACTGGCCCTGTGTCTTG
CCTGGTTATTCCTCGATGTTCTCTTTTCAACTGCCCTCCATCATGCATCTCTGTGCCATTT
CCCTGGACCGCTATATAGCCATCAAAAAGCCAATTCAGGCCAATCAGTGCAACACCCGGG
CTACTGCATTTCATCAAGATTACAGTGGTATGGTTAATTTCAATAGGCATCGCCATCCCAG
TCCCTATTAAAGGAATCGAGACTGATGTGATTAATCCACACAATGTCACCTGTGAGCTGA
CAAAGGACCGCTTTGGCAGTTTTATGGTCTTTGGGTCACTGGCTGCTTTCTTCGTACCTC
TCACCATCATGGTAGTCACCTTACTTTCTCACCATTACACTTTACAGAAGAAAGCTTACT
TGGTCAAAAATAAGCCACCTCAACGCCTAACACGGTGGACTGTGCCACAGTTTTCTTAA
GGGAAGACTCATCCTTTTTCATCACCAGAAAAGGTGGCAATGCTGGATGGGTCTCACAGGG
ATAAAATTTCTACCTAACTCAAGTGATGAGACACTTATGCGAAGAATGTCCTCAGTTGGAA
AAAGATCAGCCCCAAACCATTTCTAATGAGCAGAGAGCCTCGAAGGCCCTTGGAGTCGTGT
TTTTCTTTTTCTGCTTATGTGGTGCCCCCTTTTTTATTACAAATCTAACTTTAGCTCTGT
GTGATTCCTGCAATCAGACCACTCTCAAAACACTCCTGGAGATATTTGTGTGGATAGGCT
ACGTTTCTCGGGGGTGAATCCTCTGATCTATACACTCTTCAATAAGACATTTCCGGAAG
CATTTGGCAGGTACATCACCTGCAATTACCGAGCCACAAAGTCAGTAAAAGCACTTAGGA
AGTTTTCCAGTACACTTTGTTTTGGGAATTCAATGGTAGAAAACCTCTAAATTTTTACAA
AACATGGAATTCGAAATGGGATCAACCCTGCCATGTACCAGAGCCCAATGAGGCTCCGAT
GTTCAACCATTCACTCCTCATCAATCATCCTCCTCGATACCCTTCTCACTGAAAACGATG
GCGACAAAGCGGAAGAGCAGGTCAGCTACATATTGCAGGAACGGGCCGGCCTCATCTTGA
GAGAGGGTGATGAGCAGGACGCACGCGCACCATGGCAGGTTCAAGAGTGA
(SEQ ID NO:1)

FIGURE 2A

REPLACEMENT SHEET



Gene Sequence Structure *

130 bp

Sequence Deleted

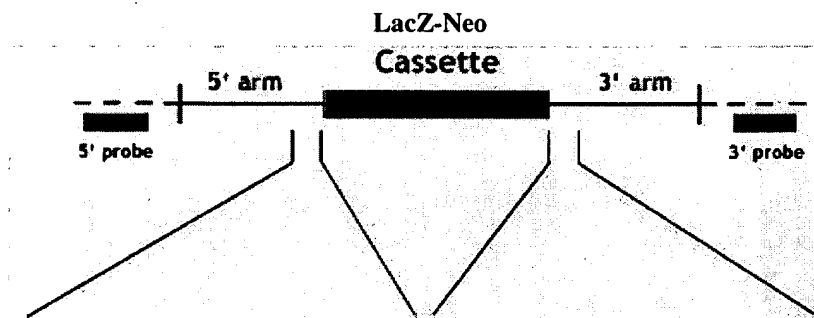
319 bp

Size of full-length
cDNA: 1550 bp

Targeting Vector*
(genomic sequence)

Construct Number: 2520

Arm Length:
5': 1.6 kb
3': 5 kb



————— Targeting Vector
- - - - - Endogenous Locus

*. Not drawn to scale

5' >TGAGTGTCTGGTGGGTTTGCT
AAATGCTTTGCTAAAGCAGATGAC
TTGCTTAGCTACTGACCATGCTGA
CCACTGTCTGGAAGTGGACTGAGT
CACCAAAAGGCGAATGGCTTCATC
TTATAAAATGTCTGAACAAAGCAC
AACTTCTGAGCACATTTTACAGAA
GACATGTGATCACCTGATCCTGAC
TAACCGTTCTG<3'
(SEQ ID NO:3)

5' >GGCGATAGCAGATTGCTGGT
TGGATTGTTTGTGATGCCGATTGC
CCTCTTGACAATCATGTTTGGTGA
GTATTTCCCCTTGTTCCCTGCCACT
GAACACTACTAACGTAGTGAAATG
GACACTCACTGACCTTTATTTTGT
TTGAAATAAAAGAAGGACCTGGAT
TAAAAACACAGAAGGGAACATTCC
TTCATTTTTC<3'
(SEQ ID NO:4)

FIGURE 2B